

Focus on

Unintended Pregnancy

Among Maryland Women Giving Birth, 2001-2005

April 2007

" We didn't think that at my age (42) that I would ... get pregnant again."

PRAMS Mother

"I guess the Norplant had worn off after 15 years ... thought it was still working."

PRAMS Mother

"I didn't think I could get pregnant and, besides, birth control made me gain weight."

PRAMS Mother

Unintended pregnancy may be associated with unhealthy behaviors before, during, and after pregnancy and can adversely affect pregnancy outcomes.

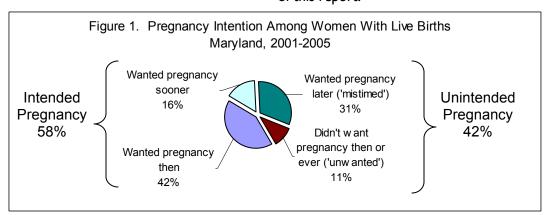
The Maryland PRAMS (Pregnancy Risk Assessment Monitoring System) survey includes the following question:

Thinking back to just before you got pregnant, how did you feel about becoming pregnant?

- a) I wanted to be pregnant sooner
- b) I wanted to be pregnant later
- c) I wanted to be pregnant then
- d) I didn't want to be pregnant then or at any time in the future

For the purpose of this report, a woman who reported that she wanted to be

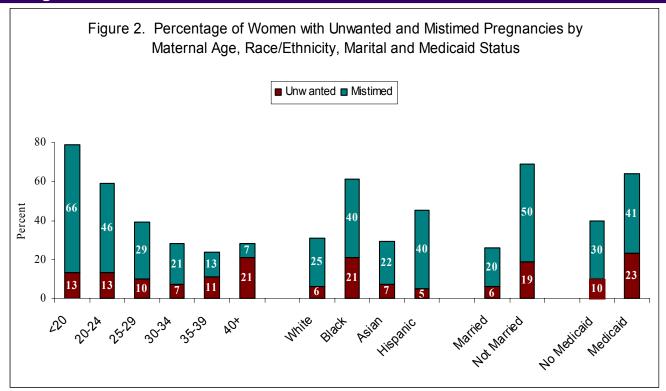
pregnant then (c) or sooner (a) was considered to have had an intended pregnancy (58%), a woman who reported that she wanted to be pregnant later (b) was considered to have had a mistimed pregnancy (31%) and a woman who didn't want to be pregnant then or at any time in the future (d) was considered to have had an unwanted pregnancy (11%) (Figure 1). Mistimed and unwanted pregnancies are typically grouped together and considered to be unintended. However, review of the Maryland PRAMS data suggested that mistimed and unwanted pregnancies are very different in terms of socio-demographic characteristics of the mother, maternal behaviors, maternal risk factors and infant outcomes. Therefore, the two groups are also considered separately for the purpose of this report.



Factors Associated with Intended, Mistimed, and Unwanted Pregnancy

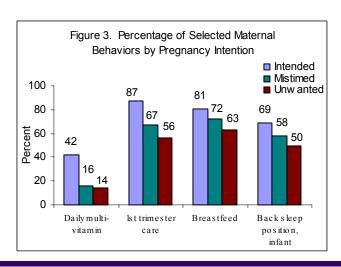
The percentage of pregnancies that were mistimed was highest among adolescents (66%) and declined sharply with increasing maternal age (Figure 2). The

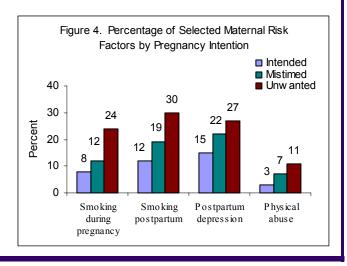
highest percentage of unwanted pregnancies (21%) occurred among women 40 years of age and older and the smallest percentage among women ages



30-34 years (7%). White women and Asian women reported similar rates of mistimed (25% and 22%) and unwanted (6% and 7%) pregnancies. While black and Hispanic women had the same rate of mistimed pregnancies (40%), the rate of unwanted pregnancy was substantially higher among black women (21%) than Hispanic women (5%). Both mistimed pregnancies and unwanted pregnancies occurred much more frequently among unmarried women (50% and 19%) than married women (20% and 6%). Women on Medicaid had higher rates of mistimed and unwanted pregnancies (41% and 23%) than women not on Medicaid (30% and 10%).

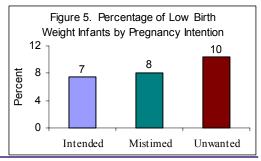
In terms of maternal behaviors, women with intended pregnancies were more likely than mothers with mistimed or unwanted pregnancies to take a daily multivitamin with folic acid before pregnancy, initiate prenatal care during the first trimester of pregnancy, breastfeed their infants, and place their infants on their backs to sleep (Figure 3). Mothers with intended pregnancies were less likely to smoke during the last trimester of pregnancy or in the postpartum period, report being depressed in the postpartum period, and report that they were physically abused before pregnancy by a husband or partner (Figure 4).





Association With Low Birth Weight

Low birth weight infants (<2500 grams) are more likely to be born to women with unwanted pregnancies (10%) than to women with intended (7%) or mistimed (8%) pregnancies (Figure 5). Low birth weight infants are more likely to die or suffer serious health problems than heavier infants.

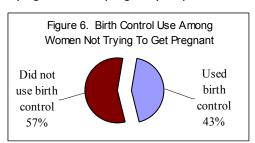


"I thought I had reached menopause ... but apparently I hadn't."

PRAMS Mother

Birth Control Use at Time of Pregnancy

Forty-three percent of women who were trying to avoid pregnancy reported that



they were using birth control at the time they became pregnant (Figure 6). The most frequently cited reasons among the remaining 57% of women for not using birth control were the belief they could not become pregnant, opposition to the use of birth control by their husbands or partners, and problems obtaining birth control.



Summary

Over 40% of pregnancies in Maryland that end in a live birth are unintended—mistimed or unwanted. Unwanted pregnancies are more likely to be associated with risk factors or behaviors that may be harmful to the mother and infant than mistimed or intended pregnancies.

The high rate of unintended pregnancies among women using birth control (43%) suggests inconsistent or improper contraceptive usage. Improving access to contraceptive education and supplies will help couples plan pregnancies effectively and increase intended pregnancy rates. Preconception and inter-conception counseling, especially with inclusion of the partner, can clarify common misconceptions about family planning and improve contraceptive compliance.

Maryland PRAMS data showed that mothers with mistimed and unwanted pregnancies are less likely to take a multivitamin, receive early prenatal care, stop smoking, breastfeed, and place their infants to sleep on their backs. They are more likely to experience postpartum depression, be victims of intimate partner violence, and deliver low birth weight infants than mothers with intended pregnancies.

Women with unintended pregnancies, particularly those that are unwanted, may need extra support or referral during pregnancy and postpartum.

A planned pregnancy may ultimately lead to improved pregnancy outcomes.

"My husband was supposed to get a vasectomy...but he got scared."

PRAMS Mother



Production Team:

Diana Cheng, M.D.¹ Isabelle Horon, Dr.P.H.² Estelle Apelberg, M.A.²

Maryland Department of Health and Mental Hygiene (DHMH)

> For further information, please contact:

Diana Cheng, M.D. PRAMS Project Director Medical Director, Women's Health Center for Maternal and Child Health Maryland Department of Health and Mental Hygiene 201 W. Preston Street, Room 309 Baltimore, MD 21201

Fax: (410) 333-5233

or visit:

PRAMS Methodology

maternal behaviors experiences that may be associated with adverse pregnancy outcomes.

Data included in this report were Hygiene and the CDC. Each month, a collected through the Pregnancy Risk sample of 200 Maryland women who have Assessment Monitoring System (PRAMS), recently delivered live born infants are a surveillance system established by the surveyed by mail or by telephone, and Centers for Disease Control and responses are weighted to make the Prevention (CDC) to obtain information results representative of all Maryland and births.

This report is based on the responses of 7,513 Maryland mothers who delivered In Maryland, the collection of PRAMS live born infants between January 30, 2001 data is a collaborative effort of the and November 29, 2005 and were Department of Health and Mental surveyed two to six months after delivery.

Limitations of Report

time of pregnancy confirmation, not become pregnant three years later. several months after delivery when feelings about a pregnancy may change This significantly.

magnitude of a mistimed pregnancy. A could explain some of the findings of the woman who would have preferred to study.

A retrospective survey such as PRAMS is become pregnant three months later subject to recall bias. Ideally, pregnancy may act and feel very differently from a intention should be ascertained at the woman who would have preferred to

report presents only associations between risk factors and pregnancy intention. Interrelationships This survey also does not define the among variables are not described, and

Resources

There are over 80 family planning service sites in Maryland. No one is refused care because of inability to pay. For more information, go to: http://www.fha.state.md.us/mch/html/clinics.cfm



Maryland Department of Health and Mental Hygiene Center for Maternal and Child Health • Vital Statistics Administration

Martin O'Malley, Governor; Anthony G. Brown, Lieutenant Governor; John M. Colmers, Secretary

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